

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
	)	
NILS OVE GUSTAVSSON et al.	)	
	)	
Serial No.: Unknown	)	Group Art Unit: Unknown
	)	
Filed: Herewith	)	Examiner: Unknown
	)	
For: MICROPARTICLES	)	

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the duty of disclosure set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. § 1.97 and 1.98.

This information disclosure statement is being submitted with the filing of this application, as such, no fee or statement is required.

Copies of the listed documents were previously submitted in prior Application Serial No. 09/970,793, filed October 5, 2001, upon which Applicants rely for the benefits provided in 35 U.S.C. § 120. In accordance with 37 C.F.R. § 1.98(d), copies of the listed documents are not included.

Respectfully Submitted,



Date: November 10, 2003

Richard H. Newman  
Reg. No. 41,222  
Edwards & Angell, LLP  
P.O. Box 9169  
Boston, MA 02209  
(203) 353-6836 phone

Substitute for form 1449A/PTO

ATTORNEY'S DKT NO.

003300-831

APPLICATION NO.

09/970,793

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT

Nils Ove GUSTAVSSON *et al.*

FILING DATE

October 5, 2001

GROUP

1615

## U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)
	Number	Kind Code (if known)		
	5,981,719		Woiszwillo <i>et al.</i>	11/1999
	5,849,884		Woiszwillo <i>et al.</i>	12/1998
	5,776,885		Orsolini <i>et al.</i>	07/1998
	5,753,234		Lee <i>et al.</i>	05/1998
	5,667,808		Johnson <i>et al.</i>	09/1997
	5,654,010		Johnson <i>et al.</i>	08/1997
	5,622,657		Takeda <i>et al.</i>	04/1997
	5,578,709		Woiszwillo <i>et al.</i>	11/1996
	5,470,582		Supersaxo <i>et al.</i>	11/1995
	5,455,342		Redding, Jr.	10/1995
	5,407,609		Tice <i>et al.</i>	04/1995
	4,713,249		Schröder	12/1987
	4,389,330		Tice <i>et al.</i>	06/1983
	3,881,991		Kurimotor <i>et al.</i>	05/1975
	3,737,337		Schnoring <i>et al.</i>	06/1973
	3,691,090		Kitajima <i>et al.</i>	09/1972

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	no
	WO 99/20253	A1	PCT	04/1999		
	WO 99/00425	A1	PCT	01/1999		
	WO 97/14408	A1	PCT	04/1997		
	WO 96/10042	A1	PCT	04/1996		
	WO 94/12158	A1	PCT	06/1995		
	WO 93/21008	A1	PCT	10/1993		
	EP 0 330 180	B2	EPO	03/1999		
	EP 0 688 429	B1	EPO	02/1998		
	EP 0 540 582	B1	EPO	08/1994		
	EP 0 213 303	A2	EPO	03/1987		
	WO 90/13780	A1	PCT	11/1990		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
----------------------	---

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

Substitute for form 1449A/PTO	ATTORNEY'S DKT NO.	APPLICATION NO.
	003300-831	09/970,793
	APPLICANT	
	Nils Ove GUSTAVSSON <i>et al.</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE	GROUP
	October 5, 2001	1615

	Artursson <i>et al.</i> , "Characterization of Polyacryl Starch Microparticles as Carriers for Proteins and Drugs," <i>Journal of Pharmaceutical Sciences</i> , Vol. 73, No. 11, pp. 1507-1513, (1984)	
	Franssen <i>et al.</i> , "A Novel Preparation Method for Polymeric Microparticles Without the Use of Organic Solvents," <i>International Journal of Pharmaceutics</i> , Vol. 168, pp. 1-7 (1998)	
	Fu <i>et al.</i> , "Visual Evidence of Acidic Environment Within Degrading Poly(lactic-co-glycolic acid) (PLGA) Microspheres" <i>Pharmaceutical Research</i> , Vol. 17, No. 1, pp. 100-106 (2000)	
	Laakso <i>et al.</i> , "Biodegradable Microspheres IV: Factors Affecting the Distribution and Degradation of Polyacryl Starch Microparticles," <i>Journal of Pharmaceutical Sciences</i> , Vol. 75, No. 10, pp. 962-967 (1986)	
	Laakso <i>et al.</i> , "Biodegradable Microspheres X: Some Properties of Polyacryl Starch Microparticles Prepared from Acrylic Acid-Esterified Starch," <i>Journal of Pharmaceutical Sciences</i> , Vol. 76, No. 12, pp. 935-939 (1987)	
	Schröder, "Crystallized Carbohydrate Spheres as a Slow Release Matrix for Biologically Active Substances," <i>Biomaterials</i> , Vol. 5, pp. 100-104 (1984)	
	Schröder, "Crystallized Carbohydrate Spheres for Slow Release and Targeting," <i>Enzymology</i> , Vol. 112, No. 9, pp. 116-128 (1985)	
	Stenekes <i>et al.</i> , "The Preparation of Dextran Microspheres in an All-Aqueous System: Effect of the Formulation Parameters on Particle Characteristics," <i>Pharmaceutical Research</i> , Vol. 15, No. 4 pp. 557-561 (1998)	
	Stjärnkvist <i>et al.</i> , "Biodegradable Microspheres XIII: Properties of the Crosslinking Chains in Polyacryl Starch Microparticles," <i>Journal of Pharmaceutical Sciences</i> , Vol. 78, No. 1, pp. 52-56 (1989)	
	Agersø <i>et al.</i> , "Plasma Concentration of hGH and anti-hGH Antibodies After Subcutaneous Administration of hGH for 3 Weeks to Immunosuppressed Pigs," <i>J. Pharmacol Toxicol</i> No. 41 pp. 1-8 (1999)	
	Johnson <i>et al.</i> , "A Month-Long effect From a Single Injection of Microencapsulated Human Growth Hormone," <i>Nature Medicine</i> , Vol. 2, No. 7 pp. 795-799 (1996)	
	Putney, "Encapsulation of Proteins for Improved Delivery," <i>Current Opinion in Chemical Biology</i> , Vol. 2, pp. 548-552 (1998)	
	"Clean Package Insert," Nutropin Depot (somatropin(rDNA origin) for injectable suspension), Genentech, Inc., 1 DNA Way, South San Francisco, CA 940-4990, pp. 1-6 (December 13, 1999)	
Examiner Signature		Date Considered